

# Certificate of Analysis

## Sample Information

CTLA ID: 7102  
 Date Received: 3/26/2019  
 Sample Name: Harvey's CBD Elixir  
 Lot Number:  
 Customer: Boot Ranch Farms

Analysis	Method	MDL Specification	Result	Units
<b>Complete Micro</b>				
Total Plate Count	USP <2021>	100 Report	<100	cfu/g
Total Coliforms	BAM CH.4	10 Report	<10	cfu/g
E. Coli	USP <2022>	Report	Negative	
Salmonella	USP <2022>	Report	Negative	
Staph. aureus	USP <2022>	Report	Negative	
Yeast & Mold	USP <2021>	100 Report	<100	cfu/g
<b>Heavy Metals</b>				
Arsenic	USP <2232>	0.001 Report	0.005	ppm
Cadmium	USP <2232>	0.001 Report	<0.001	ppm
Lead	USP <2232>	0.001 Report	0.003	ppm
Mercury	USP <2232>	0.001 Report	<0.001	ppm
<b>Cannabinoid Concentration</b>				
Total Cannabidiol (CBD)	HPLC	0.05 Report	27.09	mg/g
Total Tetrahydrocannabinol (THC)	HPLC	0.005 Report	0.094	%
CBD	HPLC	0.05 Report	24.75	mg/g
CBDA	HPLC	0.05 Report	2.66	mg/g
Δ9-THC	HPLC	0.05 Report	0.94	mg/g
THCA	HPLC	0.05 Report	0.07	mg/g
Δ8-THC	HPLC	0.05 Report	ND	mg/g
THCV	HPLC	0.05 Report	ND	mg/g
CBDV	HPLC	0.05 Report	0.39	mg/g
CBDVA	HPLC	0.05 Report	0.06	mg/g
CBGA	HPLC	0.05 Report	0.16	mg/g



Quality Manager

Specifications provided by the Customer. Results with an asterisk (\*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Machine Detection Limit.

# Certificate of Analysis

## Sample Information

CTLA ID: 7102  
 Date Received: 3/26/2019  
 Sample Name: Harvey's CBD Elixir  
 Lot Number:  
 Customer: Boot Ranch Farms

Analysis	Method	MDL Specification	Result	Units
CBG	HPLC	0.05 Report	0.59	mg/g
CBN	HPLC	0.05 Report	ND	mg/g
CBC	HPLC	0.05 Report	0.88	mg/g
CBL	HPLC	0.05 Report	ND	mg/g
<b>Pesticides</b>				
Abamectin	USP <561>	0.01 Report	ND	ppm
Acequinocyl	USP <561>	0.01 Report	ND	ppm
Bifenazate	USP <561>	0.01 Report	ND	ppm
Bifenthrin	USP <561>	0.01 Report	ND	ppm
Cyfluthrin	USP <561>	0.01 Report	ND	ppm
Cypermethrin	USP <561>	0.01 Report	ND	ppm
Daminozide	USP <561>	0.01 Report	ND	ppm
Dimethomorph	USP <561>	0.01 Report	ND	ppm
Etoxazole	USP <561>	0.01 Report	ND	ppm
Fenhexamid	USP <561>	0.01 Report	ND	ppm
Flonicamid	USP <561>	0.01 Report	ND	ppm
Fludioxonil	USP <561>	0.01 Report	ND	ppm
Imidacloprid	USP <561>	0.01 Report	ND	ppm
Myclobutanil	USP <561>	0.01 Report	ND	ppm
Paclobutrazol	USP <561>	0.01 Report	ND	ppm
Piperonyl Butoxide	USP <561>	0.01 Report	1.308	ppm
Pyrethrins	USP <561>	0.01 Report	ND	ppm
Quintozene	USP <561>	0.01 Report	ND	ppm
Spinetoram	USP <561>	0.01 Report	ND	ppm

  
 Quality Manager

Specifications provided by the Customer. Results with an asterisk (\*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Machine Detection Limit.

CTLA ID: 7102  
 Date Received: 3/26/2019  
 Sample Name: Harvey's CBD Elixir  
 Lot Number:  
 Customer: Boot Ranch Farms

Analysis	Method	MDL Specification	Result	Units
Spinosad	USP <561>	0.01 Report	ND	ppm
Spirotetramat	USP <561>	0.01 Report	ND	ppm
Thiamethoxam	USP <561>	0.01 Report	ND	ppm
Trifloxystrobin	USP <561>	0.01 Report	ND	ppm
Plant Growth Regulators	USP <561>	0.01 Report	ND	ppm
<b>Residual Solvents</b>				
Butanes	USP <467>	71 Report	ND	ppm
Heptanes	USP <467>	71 Report	ND	ppm
Propanes	USP <467>	71 Report	ND	ppm

Made on: 3-11-19

ND = None Detected

Total CBD = CBD + (CBDA\*0.877)

Total THC = Δ9-THC

Total Cannabinoids = 30.64 mg/g or 3.064 %

  
 Quality Manager

Specifications provided by the Customer. Results with an asterisk (\*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Machine Detection Limit.

# Certificate of Analysis

## Sample Information

CTLA ID: 7103  
Date Received: 3/26/2019  
Sample Name: Harvey's CBD Salve  
Lot Number:  
Customer: Boot Ranch Farms

Analysis	Method	MDL Specification	Result	Units
<b>Complete Micro</b>				
Total Plate Count	USP <2021>	100 Report	<100	cfu/g
Total Coliforms	BAM CH.4	10 Report	<10	cfu/g
E. Coli	USP <2022>	Report	Negative	
Salmonella	USP <2022>	Report	Negative	
Staph. aureus	USP <2022>	Report	Negative	
Yeast & Mold	USP <2021>	100 Report	<100	cfu/g
<b>Heavy Metals</b>				
Arsenic	USP <2232>	0.001 Report	<0.001	ppm
Cadmium	USP <2232>	0.001 Report	<0.001	ppm
Lead	USP <2232>	0.001 Report	0.008	ppm
Mercury	USP <2232>	0.001 Report	<0.001	ppm
<b>Cannabinoid Concentration</b>				
Total Cannabidiol (CBD)	HPLC	0.05 Report	9.10	mg/g
Total Tetrahydrocannabinol (THC)	HPLC	0.005 Report	0.008	%
CBD	HPLC	0.05 Report	1.59	mg/g
CBDA	HPLC	0.05 Report	8.56	mg/g
Δ9-THC	HPLC	0.05 Report	0.08	mg/g
THCA	HPLC	0.05 Report	0.15	mg/g
Δ8-THC	HPLC	0.05 Report	ND	mg/g
THCV	HPLC	0.05 Report	ND	mg/g
CBDV	HPLC	0.05 Report	ND	mg/g
CBDVA	HPLC	0.05 Report	0.20	mg/g
CBGA	HPLC	0.05 Report	0.56	mg/g

  
Quality Manager

Specifications provided by the Customer. Results with an asterisk (\*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Machine Detection Limit.

# Certificate of Analysis

## Sample Information

CTLA ID: 7103  
Date Received: 3/26/2019  
Sample Name: Harvey's CBD Salve  
Lot Number:  
Customer: Boot Ranch Farms

Analysis	Method	MDL Specification	Result	Units
CBG	HPLC	0.05 Report	ND	mg/g
CBN	HPLC	0.05 Report	ND	mg/g
CBC	HPLC	0.05 Report	0.13	mg/g
CBL	HPLC	0.05 Report	ND	mg/g
<b>Pesticides</b>				
Abamectin	USP <561>	0.01 Report	ND	ppm
Acequinocyl	USP <561>	0.01 Report	ND	ppm
Bifenazate	USP <561>	0.01 Report	ND	ppm
Bifenthrin	USP <561>	0.01 Report	ND	ppm
Cyfluthrin	USP <561>	0.01 Report	ND	ppm
Cypermethrin	USP <561>	0.01 Report	ND	ppm
Daminozide	USP <561>	0.01 Report	ND	ppm
Dimethomorph	USP <561>	0.01 Report	ND	ppm
Etoxazole	USP <561>	0.01 Report	ND	ppm
Fenhexamid	USP <561>	0.01 Report	ND	ppm
Flonicamid	USP <561>	0.01 Report	ND	ppm
Fludioxonil	USP <561>	0.01 Report	ND	ppm
Imidacloprid	USP <561>	0.01 Report	ND	ppm
Myclobutanil	USP <561>	0.01 Report	ND	ppm
Paclobutrazol	USP <561>	0.01 Report	ND	ppm
Piperonyl Butoxide	USP <561>	0.01 Report	0.584	ppm
Pyrethrins	USP <561>	0.01 Report	ND	ppm
Quintozene	USP <561>	0.01 Report	ND	ppm
Spinetoram	USP <561>	0.01 Report	ND	ppm

  
Quality Manager

Specifications provided by the Customer. Results with an asterisk (\*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Machine Detection Limit.

CTLA ID: 7103  
 Date Received: 3/26/2019  
 Sample Name: Harvey's CBD Salve  
 Lot Number:  
 Customer: Boot Ranch Farms

Analysis	Method	MDL Specification	Result	Units
Spinosad	USP <561>	0.01 Report	ND	ppm
Spirotetramat	USP <561>	0.01 Report	ND	ppm
Thiamethoxam	USP <561>	0.01 Report	ND	ppm
Trifloxystrobin	USP <561>	0.01 Report	0.023	ppm
Plant Growth Regulators	USP <561>	0.01 Report	ND	ppm
<b>Residual Solvents</b>				
Butanes	USP <467>	92 Report	ND	ppm
Heptanes	USP <467>	92 Report	ND	ppm
Propanes	USP <467>	92 Report	ND	ppm

Made on: 12/12/18

ND = None Detected

Total CBD = CBD + (CBDA\*0.877)

Total THC = Δ9-THC

Total Cannabinoids = 11.81 mg/g or 1.181 %

  
 Quality Manager

Specifications provided by the Customer. Results with an asterisk (\*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Machine Detection Limit.